

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008175**Date Inspected:** 27-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	Zhu Tian Shu / Chen fu you			<b>CWI Present:</b>	<b>Yes</b>	<b>No</b>	
<b>Inspected CWI report:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Rod Oven in Use:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Electrode to specification:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Weld Procedures Followed:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Qualified Welders:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Verified Joint Fit-up:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Approved Drawings:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Approved WPS:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
				<b>Delayed / Cancelled:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG Components		

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the time noted above for observations relative to the work being performed.

**BAY#3**

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as a Floor Beams. The weld designations reviewed as follows:

FB027-009-22,96,104,99,143,69,58.

FB011-032-01,03,09,33,46.Green tag no-009723.

FB003-204-11,15,39,14,30,5041.

FB003-184-12,16,39,26,30,53.

**BAY#19**

Ongoing SAW Welding of Weld Joint 1G-002 Located on BP025-010 Welder no indentified as 062817 and The welding variables recorded by QC ZMPC Mr.Lv Liqing to comply with the WPS-B-T-2221-B-L2c-S-2.

**BAY#14**

Ongoing SMAW Welding of Weld Joint 4G-032 Located on SEG064A Welder no indentified as 067764 and The

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welding variables recorded by QC ZMPC Mr.Zhan Xian Ji to comply with the WPS-B-P-2214-B-U2-FCM-1.

BAY#1

Ongoing FCAW Welding of Weld Joint 2G-010 Located on CW001B-PP056 Welder no indentified as 054460 and The welding variables recorded by QC ZMPC Mr .Tian Lei to comply with the WPS-B-T-2232-Tc-U4b-F-1.

BAY#2

Ongoing SAW Welding of Weld Joint 1G-001 Located on FB3061-001 Welder no indentified as 250050 and The welding variables recorded by QC ZMPC Mr .Zhang Ya Xu to comply with the WPS-B-T-2221-B-L2c-S-2.

Unless otherwise noted, all observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No Relevant Conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Jim Simonis - 134-7246-3441, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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